WHAT IS CLAIMED IS:

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	A substrate	transport apparatus	comprising
• •	risabstrate	transport apparatas	Comprising

a substrate transport pod that can be sealed hermetically for holding substrates therein, which are taken out from a processing apparatus;

at least one of a particle filter, a chemical filter, and a dehumidifying apparatus for removing, respectively, particulate substances, chemical substances, and moisture from a gas circulated inside the pod;

a gas circulation apparatus for circulating a purified gas or purge means;

a holding apparatus for holding the substrates;

data storing means; and

a power supply for driving the dehumidifying apparatus and/or the circulation apparatus and the data storing means.

- 15 2. A substrate transport apparatus according to claim 1, wherein said data storing means is provided for controlling an operation of the dehumidifying apparatus and/or the circulation apparatus.
- An apparatus according to claim 1, further comprising:
 an identifier ID for distinguishing individual pods; and means for sending and receiving control information with outside data storing means.
- 4. A substrate transport apparatus according to claim 1, wherein the pod has means for receiving external signals, and controls internal environment in the pod according to the external signals.
 - 5. A substrate transport apparatus according to claim 1, wherein an internal environment of the pod is controlled by sending and receiving information between the pod and a processing apparatus.
 - 6. A substrate transport apparatus according to claim 1, wherein the pod is provided with processing history management information on substrates in said data storing means.

7. A substrate transport apparatus according to claim 6, wherein the processing history management information is transferred from one pod to other pod.

- 8. A substrate transport apparatus according to claim 6, wherein the processing history management information is communicated by way of a host computer network.
- 9. A substrate transport apparatus according to claim 6, wherein the processing history management information is transferred from one pod to other pod by a controller provided on a processing apparatus.
- 10. A substrate transport apparatus according to claim 6, wherein the processing history management information is transferred from a pod used in a preceding step to a pod to be used in a succeeding step.

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- 11. A substrate transport apparatus according to claim 1, wherein an information on a pod to be washed is stored in the data storing means.
- 12. A substrate transport apparatus according to claim 11, wherein said information is sent to a pod washing machine so that the pod can be selected and subjected to washing.
- 20 13. A substrate transport apparatus according to claim 1, wherein a change of information stored in said data storing means is conducted by communication with outside data storing means by signal input/output portion.
- 14. A substrate transport apparatus according to claim 6, wherein a change of the processing history management information is conducted by signal input/output portion by sending and receiving information with outside data storing means.
 - 15. A substrate transport apparatus according to claim 6, wherein a change of lot processing history management information is conducted by signal input/output portion by sending and receiving information with outside data storing means.
 - 16. A substrate transport apparatus according to claim 1, wherein a washing interval information of the pod is stored in said data storing means.
- 17. A substrate transport apparatus according to claim 1, wherein a filter change interval information, or an information of a secondary battery is stored in said data storing means.

18. A substrate transport apparatus according to claim 17, wherein the filter change interval information of a pod is managed from a product of a processed gas volume and an operation time of the circulation apparatus or the dehumidifying apparatus.

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- 19. A substrate transport apparatus according to claim 16, wherein the washing interval information is estimated from an operation time of the gas circulation apparatus.
- 10 20. A substrate transport apparatus according to claim 1, wherein residual power of a secondary battery provided for the pod is measured, and charged to a necessary level of power.
- 21. A substrate transport apparatus according to claim 6, wherein the processing management history information on individual pod is communicated by wire or radio transmission through a network.
- 22. A substrate transport apparatus according to claim 2, wherein an information on the pod to be washed is sent to a pod washing machine so that the pod can be selected and subjected to washing.
 - 23. A substrate transport pod for containing, storing or transporting substrates, comprising:
 - a pod main body and a door for hermetic sealing of the pod main body, which is formed primarily of a material having moisture absorption coefficient of not more than 0.1%, wherein the pod main body is in contact with the substrates directly or indirectly and has a conductive part so as to enable static charges to be drained from the pod main body; and

a sensor provided for detecting whether the door is opened or closed;

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wherein a gas circulation apparatus and/or a dehumidifying apparatus is installed in said pod main body, and is controlled to operate by detecting that the door is closed or opened.

- 24. A substrate transport pod for containing, storing or transporting substrates, comprising:
 - a pod main body and a door for hermetic sealing of the pod main body, which is formed primarily of a material having moisture absorption coefficient of not more than 0.1%, wherein the pod main body is in contact with the substrates directly or indirectly

and has a conductive part so as to enable static charges to be drained from the pod main body; and

a sensor provided for detecting presence of the substrates;

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wherein a gas circulation apparatus and/or dehumidifying apparatus is controlled to operate in accordance with detection signal of the sensor for detecting the presence of the substrates.